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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/800,597	03/06/2001	Stephen J. Turner	063170.2356	2673

7590 05/16/2003
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EXAMINER

ZHEN, WEI Y

ART UNIT	PAPER NUMBER
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2122

DATE MAILED: 05/16/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/800,597	TURNER ET AL.	
	Examiner	Art Unit	
	Wei Y Zhen	2122	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 25-49 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 25-49 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: |

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DETAILED ACTION

1. Claims 25-49 are pending.
2. Claims 1-24 are canceled.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 25, 30-34, 36-37, 38, 43, 44, 46, 47, 48 are rejected under 35 U.S.C. 102(e) as being anticipated by Kozuka et al, U.S. Patent No. 5,845,119.

As per claim 25, Kozuka et al discloses providing a first exiting executable module and a second existing executable module (Fig. 2 source code file 111); determining a first operation

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associated with the first existing executable module, determining a second operation associated with the second existing executable module; determining a mapping between the first and second operations and managing an interaction between the first and second operations based on the mapping...substantially as claimed (col. 3 line 56 to col. 4 line 60).

As per claim 30, Kozuka et al discloses specifying an intermediate representation of information for communication between the first and second operations (col. 4 line 39 to col. 6 line 20).

As per claim 31, Kozuka et al discloses the intermediate representation in associated with a user interface (col. 5 lines 21-46).

As per claim 32, Kozuka et al discloses the intermediate representation...substantially as claimed (col. 5 lines 21-46).

As per claim 33, Kozuka et al discloses determining how a parameter associated with the first operation flows to the second operation (col. 4 line 39 to col. 6 line 20).

As per claim 34, Kozuka et al discloses managing a data value...substantially as claimed (col. 4 line 39 to col. 6 line 20).

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As per claim 36, Kozuka et al discloses the first operation has an associated field...generating a characteristic...as claimed (col. 4 line 39 to col. 6 line 20).

As per claim 37, Kozuka et al discloses determining a declarative mapping...as claimed (col. 4 line 39 to col. 6 line 20).

Claims 38, 43, 44, 46, 47 are rejected for the reason set forth in the rejections of claims 25, 30, 33, 36, 37 respectively.

Claim 48 is rejected for the reason set forth in the rejection of claim 25.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 35, 45, 49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kozuka et al, U.S. Patent No. 5,845,119 in view of Warren et al, U.S. Patent No. 5,632,022.

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As per claim 35, Kozuka et al does not explicitly disclose an output parameter and an input parameter as claimed.

However, Warren et al disclose an output and an input (col. 16 lines 59-67).

Therefore, it would have been obvious to one having ordinary skill in the art at the same time the invention was made to incorporate the teaching of Warren et al into the system of Kozuka et al to have an input and an output as claimed because it provides an efficient method to analyze the interdependencies between components.

Claim 45 is rejected for the reason set forth in the rejection of claim 35.

Claim 49 is rejected for the reason set forth in the rejections of claims 25, 27, 28, 29, 34, 35.

5. Claims 26-29, 39-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kozuka et al, U.S. Patent No. 5,845,119.

As per claims 26, 28, 29, Kozuka et al does not explicitly disclose managing runtime interaction between executable component objects.

Official Notice is taken that managing runtime interaction between executable component objects was well known in the art.

Therefore, it would have been obvious to one having ordinary skill in the art at the same time the invention was made to incorporate the teaching the well known knowledge into the

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system of Kozuka et al to manage runtime interaction between executable component objects because it provides an efficient method to analyze the interdependencies between the objects.

As per claim 27, Kozuka et al disclose forming an object based application (Abstract).

Claims 39-42 are rejected for the reason set forth in the rejections of claims 26-29 respectively.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wei Zhen whose telephone number is (703)305-0437.

The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Greg Morse can be reached at (703) 308-4789. The fax numbers for this group are (703)746-7239 (official fax), (703)746-7240 (non-official/draft), (703)746-7238 (after-final).

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Any inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703)305-9600.



Wei Zhen

5/13/2003